Question	Working	Answer	Mark	Notes
22	11.25, 11.75, 9.15, 9.25, 4.05, 4.15		4	B1 for a correct bound Accept $11.74\dot{9}$ for 11.75 or $11.74\bar{9}$ for 11.75 $9.24\dot{9}$ for 9.25 or $9.24\bar{9}$ for 9.25 $4.14\dot{9}$ for 4.15 or $4.14\bar{9}$ for 4.15
	$11.75\times 9.25-4.05^2\ (=92.285)$			M1 for a correct method to find the UB of X, allow $(11.5< AB\leq 11.75)\times(9.2< BC\leq 9.25)-((4.05\leq s<4.1)^2)$
	$11.25\times 9.15-4.15^2\ (=85.715)$			M1 for a correct method to find the LB of X, allow $(11.25\leq AB<11.5)\times(9.15\leq BC<9.2)-((4.1<s\leq 4.15)^2)$
	Working required	90		A1 dep on M2 90 and both UB and LB correct using correct values 11.25, 11.75, 9.15, 9.25, 4.05 and 4.15
				Total 4 marks